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PTO/SB/17 (12-04v2)

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Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL For FY 2005

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 0.00

Complete if Known

Application Number 10/082,081
Filing Date 02/26/2003
First Named Inventor Chulhee Lee
Examiner Name Dave Czekaj
Art Unit 2613
Attorney Docket No.

METHOD OF PAYMENT (check all that apply)

☐ Check ☒ Credit Card ☐ Money Order ☐ None ☐ Other (please identify):
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FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	0
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description

Each claim over 20 (including Reissues)

Fee (\$)	Small Entity Fee (\$)
50	25
200	100
360	180

Each independent claim over 3 (including Reissues)

Multiple dependent claims

Total Claims Extra Claims Fee (\$) Fee Paid (\$)
4 - 20 or HP = 0 x = 0

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims Extra Claims Fee (\$) Fee Paid (\$)
3 - 3 or HP = 0 x = 0

HP = highest number of independent claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets Extra Sheets Number of each additional 50 or fraction thereof Fee (\$) Fee Paid (\$)
- 100 = / 50 = (round up to a whole number) x = 0

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Fees Paid (\$)
0

Other (e.g., late filing surcharge):

SUBMITTED BY

Signature Registration No. Telephone +82-2-2123-2779
Name (Print/Type) Chulhee Lee Date Nov. 23, 2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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1 Inventor: Chulhee Lee
2 Application No.: 10/082,081 Art Unit: 2613
3 Filing Date: 02/26/2003 Examiner: Dave Czekaj
4 **Title:** Methods for objective measurement of video quality

5 **AMENDMENT A**

6 Commissioner for Patents
7 P. O. Box 1450
8 Alexandria, Virginia 22313-1450
9 USA

10 Sir:

11 In response to the Office Action dated June 28, 2005, please amend the above identified
12 application as follows:

- 13 (1) Claims 1,2,4 and 5 were canceled, Claims 3 was withdrawn, and new Claims 6-9 were
14 added.
- 15 (2) Remarks were provided, which show how the newly added Claims 6-9 avoid the
16 references.
- 17 (3) All the cited references relate to coding while the applicant's invention relates to video
18 quality metric. The Applicant believes that they are completely different. For instance,
19 video coding is studied in MPEG (Moving Picture Experts Group) and there are a number
20 of standardized methods, including MPEG2, MPEG4, H.263, H.264, etc. On the other
21 hand, objective measurement of video quality is a completely different study and has been
22 studied by a different body. For instance, objective measurement of video quality has been
23 studied in ITU-R Working Party 6Q, ITU-T Study Group 9, and VQEG (Video Quality
24 Experts Group). The international standards on objective measurement of video quality
25 include ITU-T Recommendation J.144 "Objective perceptual video quality techniques for
26 digital cable television in the presence of a full reference" and ITU-R Recommendation

1 BT.1683 "Objective perceptual video quality measurement techniques for digital broadcast
2 television in the presence of a full reference".

3 (4) The applicant finds that the original claims were written in an ambiguous way. In the new
4 claims, it is clearly stated that they relate to video quality measurement.

5
6 The applicant believes that the Examiner will now find the claims of this application
7 allowable. Favorable reconsideration of the application is courteously requested.

8 Respectively submitted,



9 Chulhee Lee

10 September 23, 2005
11 Dept. Electrical and Electronic Engineering
12 Yousei University
13 134 Shinchon-Dong, Seodaemoon-Gu
14 Seoul, KOREA

Tel: +82-2 2123-2779
Fax: +82-2 312-4584
Email: chulhee@yonsei.ac.kr